

FLEXOGRAPHIC ROTARY PLATEN PRINTING PRESS

Abstract

A flexographic rotary platen printing press for printing indicia on a web of flexible material moving along a longitudinal axis. The flexographic rotary platen printing press includes a print drum assembly that is affixed to a trolley that is moveable in a linear direction across the web generally transverse to the direction of the web movement. When the web is stopped, the print drum is caused to roll across the web that is sandwiched between the print drum and a flat, planar platen to print indicia onto the web in a line contact. A linear drive system causes the movement of the print drum assembly. The speed of the transverse movement is electronically coordinated to the speed of the rotation of the print drum as it moves across the web to carry out the printing operation. A multi-color printing process is created by serially positioning two or more flexographic presses without the use of a large number of idler rollers or changes of direction in the path of the web as it moves from one flexographic printing press to a subsequent flexographic printing press.